

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A rewritable optical record carrier ~~(100, 200)~~ comprising a recording stack ~~(110, 210)~~ of layers with  
a first dielectric layer ~~(114, 214)~~;  
a recording layer comprising a phase-change recording material, ~~and;~~  
a second dielectric layer ~~(116, 216)~~; and  
a mirror layer deposited onto the second dielectric layer  
side of the recording stack,  
characterized in that a thermal barrier layer ~~(122, 222)~~ is  
arranged adjacent to said first dielectric layer opposite the  
mirror layer.
2. (Currently Amended) ~~A~~ The rewritable optical record carrier  
~~according to as claimed in~~ claim 1, characterized in that ~~it the~~  
rewritable optical record carrier further comprises a substrate  
~~(120)~~ carrying said stack of layers having said thermal barrier  
layer arranged between said first dielectric layer and said  
substrate.
3. (Currently Amended) ~~A~~ The rewritable optical record carrier  
~~according to as claimed in~~ claim 2, characterized in that the  
refraction index of said thermal barrier layer is close to the  
refraction index of said substrate.

4. (Currently Amended) ~~A~~The rewritable optical record carrier ~~according to~~as claimed in claim 1, characterized in that ~~it~~the rewritable optical record carrier further comprises a cover layer ~~(220)~~ attached to said thermal barrier layer.

5. (Currently Amended) ~~A~~The rewritable optical record carrier ~~according to~~as claimed in claim 4, characterized in that the refraction index of said thermal barrier layer is close to the refraction index of said cover layer.

6. (Currently Amended) ~~A~~The rewritable optical record carrier ~~according to~~as claimed in claim 2, characterized in that said substrate material is polycarbonate or PMMA.

7. (Currently Amended) ~~A~~The rewritable optical record carrier ~~according to~~as claimed in claim 4, characterized in that said cover layer material is polycarbonate or transparent polymer resin.

8. (Currently Amended) ~~A~~The rewritable optical record carrier ~~according to~~as claimed in claim 1, characterized in that said thermal barrier layer material comprises SiO<sub>2</sub> or Al<sub>2</sub>O<sub>3</sub> as ~~its~~a major component.

9. (Currently Amended) ~~A~~The rewritable optical record carrier ~~according to~~as claimed in claim 1, characterized in that said first

and second dielectric layer materials comprise one of the following components or a mixture thereof: ZnS, SiO<sub>2</sub>, Si<sub>3</sub>N<sub>4</sub>, Al<sub>2</sub>O<sub>3</sub> or Ta<sub>2</sub>O<sub>5</sub>.

10. (Currently Amended) A ~~The~~ rewritable optical record carrier ~~according to as claimed in~~ claim 1, characterized in that said phase-change recording material comprises a mixture of Ge, In, Sb, and Te.